

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 702 325 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
16.05.2001 Bulletin 2001/20

(51) Int Cl.7: G06K 19/04, G06K 19/077

(43) Date of publication A2:
20.03.1996 Bulletin 1996/12

(21) Application number: 95500127.6

(22) Date of filing: 18.09.1995

(84) Designated Contracting States:
AT BE CH DE DK FR GB GR IE IT LI LU MC NL PT
SE

- Pisonero Montes, Fernando
ES-28009 Madrid (ES)
- Montez Sanchez, Carlos
ES-28009 Madrid (ES)

(30) Priority: 19.09.1994 ES 9401967

(74) Representative: Carpintero Lopez, Francisco
HERRERO & ASOCIADOS, S.L.
Alcalá, 21
28014 Madrid (ES)

(72) Inventors:
• Fernandez Perez, Manuel
ES-28009 Madrid (ES)

(54) Intelligent card useful in telephony and the like

(57) Two types of subscriber identification modules (SIM) exist in the field of mobile telephony, one type conforming to the conventional ISO 7810/13/16 format and the other type to the PrENV 1375-2 European pre-standard format. In particular, the latter type uses a small identification module on its own, and the first type uses such module integrally with a larger plastic card. The intelligent card of the invention is comprised by the combination of a module (1) conforming to the European

pre-standard and a laminar sheet (2) having a window (3) capable of housing therein said module (1) snugly to turn into a chip card conforming to ISO standards, being particular in that tonguing and grooving means (4-5) are established between the edges of the module (1) and the edges of the window (3) allowing said parts to be easily coupled to and uncoupled from each other, to be used jointly or separately, as required at each particular instance.

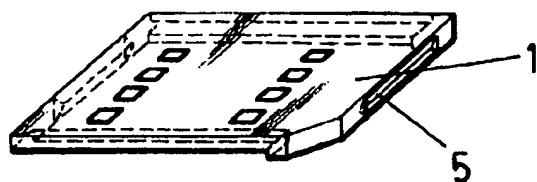


FIG.-1

EP 0 702 325 A3

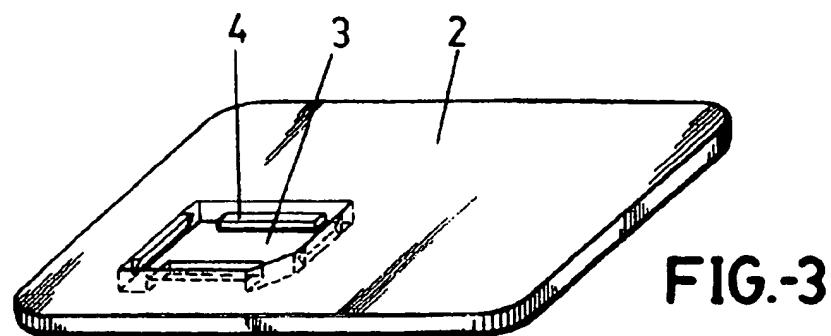


FIG.-3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 95 50 0127

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | CLASSIFICATION OF THE APPLICATION (Int.Cl.6) |
|--|---|--|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | |
| X | EP 0 328 124 A (DEUTSCHE BUNDESPOST) 16 August 1989 (1989-08-16) | 1,2 | G06K19/04 G06K19/077 |
| Y | * the whole document * | 3 | |
| X | DE 93 04 499 U (TEWES WILHELM) 3 June 1993 (1993-06-03) | 1,2 | |
| Y | * the whole document * | | |
| Y | WO 92 20506 A (GAO GES AUTOMATION ORG) 26 November 1992 (1992-11-26) | 3 | |
| A | * page 20, line 19 - line 31; figure 8 * | 1 | |
| | | | TECHNICAL FIELDS SEARCHED (Int.Cl.6) |
| | | | G06K |
| <p>The present search report has been drawn up for all claims</p> | | | |
| Place of search | Date of completion of the search | Examiner | |
| THE HAGUE | 27 March 2001 | Gysen, L | |
| CATEGORY OF CITED DOCUMENTS | | T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | |
| X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document | | | |

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 95 50 0127

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-03-2001

| Patent document cited in search report | | Publication date | | Patent family member(s) | Publication date |
|--|---|------------------|----|-------------------------|------------------|
| EP 0328124 | A | 16-08-1989 | DE | 3804361 C | 29-09-1988 |
| | | | DE | 58909742 D | 14-11-1996 |
| DE 9304499 | U | 03-06-1993 | AT | 177227 T | 15-03-1999 |
| | | | DE | 59407855 D | 08-04-1999 |
| | | | EP | 0617382 A | 28-09-1994 |
| | | | ES | 2131603 T | 01-08-1999 |
| WO 9220506 | A | 26-11-1992 | DE | 4115208 A | 12-11-1992 |
| | | | DE | 4142392 A | 01-07-1993 |
| | | | AT | 133105 T | 15-02-1996 |
| | | | DE | 59205116 D | 29-02-1996 |
| | | | DK | 584143 T | 12-02-1996 |
| | | | EP | 0584143 A | 02-03-1994 |
| | | | ES | 2082470 T | 16-03-1996 |
| | | | GR | 3018955 T | 31-05-1996 |
| | | | HK | 1007705 A | 23-04-1999 |
| | | | JP | 6507126 T | 11-08-1994 |
| | | | US | 5681356 A | 28-10-1997 |